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Fig. 1

GTTTCAGGCA GCGCTGCGTC CTGCTGCGCA CGTGGGAAGC CCTGGCCCCG GCCACCCCCG CGATGCCGCG 70
 CGCTCCCCGC TGCCGAGCCG TGCGCTCCCT GCTGCGCAGC CACTACCGCG AGGTGCTGCC GCTGGCCACG 140
 TTCGTGCGGC GCCTGGGGCC CCAGGGCTGG CCGCTGGTGC AGCGCGGGGA CCCGGCGGCT TTCCGCGCGC 210
 TGGTGGCCCA GTGCTGGTG TGCGTGCCCT GGGACGCACG GCCGCCCCC GCCGCCCCCT CTTTCCGCCA 280
 GGTGTCCTGC CTGAAGGAGC TGGTGGCCCC AGTGCTGCAG AGGCTGTGCG AGCGCGGGCG GAAGAACGTG 350
 CTGGCCTTCG GCTTCGCGCT GCTGGACGGG GCCCGCGGGG GCCCCCCCGA GGCCTTCACC ACCAGCGTGC 420
 GCAGCTACCT GCCCAACACG GTGACCGACG CACTGCGGGG GAGCGGGGCG TGGGGGCTGC TGCTGCGCGG 490
 CGTGGGCGAC GACGTGCTGG TTCACCTGCT GGACGCTGC GCGCTCTTTG TGCTGGTGGC TCCAGCTGC 560
 GCCTACCAAG TGTGCGGGCC GCCGCTGTAC CAGCTCGGCG CTGCCACTCA GGCCCCGCCC CCGCCACACG 630
 CTAGTGGACC CCGAAGGCGT CTGGGATGCG AACGGGCGCT GAACCATAGC GTCAGGGAGG CCGGGGTCCC 700
 CCTGGGCTCG CCAGCCCCG GTGCGAGGAG GCGCGGGGCG AGTGCCAGCC GAAGTCTGCC GTTGCCCAAG 770
 AGGCCCAGGC GTGGCGCTGC CCCTGAGCCG GAGCGGACGC CCGTTGGGCA GGGGTCTGCG GCCCACCCTG 840
 GCAGGACCGG TGGACCGAGT GACCGTGGTT TCTGTGTGGT GTCACCTGCC AGACCCGCGG AAGAAGCCAC 910
 CTCTTTGGAG GGTGCGCTCT CTGGCACGCG CCACTCCCAC CCATCCGTGG GCCGCCAGCA CCACGCGGGC 980
 CCCCCATCCA CATCGCGGCC ACCACGTCCC TGGGACACGC CTGTCCCCC GGTGTACGCC GAGACCAAGC 1050
 ACTTCTCTA CTCCTCAGGC GACAAGGAGC AGCTGCGGCC CTCCTTCTA CTCAGTCTC TGAGGCCAG 1120
 CCGTACTGGC GCTCGGAGGC TCGTGAGAC CATCTTCTG GGTTCAGGC CCGTGGATGC AGGGACTCCC 1190
 CGCAGGTTGC CCCGCTGCC CCAGCGCTAC TGGCAAATGC GGCCCTGTT TCTGGAGCTG CTTGGGAACC 1260
 ACGCGCAGTG CCCCTACGGG GTGCTCCTCA AGACGCACTG CCCGCTGCGA GCTGCGGTCA CCCCAGCAGC 1330
 CGGTGTCTGT GCCCGGGAGA AGCCCCAGGG CTCTGTGGCG GCCCCGAGG AGGAGGACAC AGACCCCGT 1400
 CGCCTGGTGC AGCTGCTCCG CCAGCACAGC AGCCCTGGC AGGTGTACGG CTTGCTGCGG GCCTGCCTGC 1470
 GCCGGCTGGT GCCCCCAGGC CTCTGGGGCT CCAGGCACAA CGAACGCCGC TTCCTCAGGA ACACCAAGAA 1540
 GTTCATCTCC CTGGGAAGC ATGCCAAGCT CTCGCTGCAG GAGCTGACGT GGAAGATGAG CGTGCGGGAC 1610
 TGCGCTTGGC TGCGCAGGAG CCCAGGGGTT GGTGTGTTC CCGCCGAGA GCACCGTCTG CGTGAGGAGA 1680
 TCCTGGCCAA GTTCTGTCAC TGGCTGATGA GTGTGTACGT CGTCGAGCTG CTCAGGTCTT TCTTTTATGT 1750
 CACGGAGACC ACGTTTCAA AGAACAGGCT CTTTTTCTAC CGGAAGAGTG TCTGGAGCAA GTTGCAAGC 1820
 ATTGAATCA GACAGCACTT GAAGAGGGTG CAGCTGCGGG AGCTGTCCGA AGCAGAGGTC AGGCAGCATC 1890
 GGAAGCCAG GCCCGCCCTG CTGACGTCCA GACTCCGCTT CATCCCCAAG CTTGACCGGC TCGCGCCGAT 1960
 TGTGAACATG GACTACGTCG TGGGAGCCAG AACGTTCCGC AGAGAAAAGA GGGCCGAGCG TCTCACCTCG 2030
 AGGGTGAAGG CACTGTTCAG CGTGCTCAAC TACGAGCGGG CGCGCGCGCC CCGCCTCTG GCGCCTCTG 2100
 TGCTGGGCTT GGACGATATC CACAGGGCCT GCGCGACCTT CGTGCTGCGT GTGCGGGCCC AGGACCCGCG 2170
 GCCTGAGCTG TACTTTGTCA AGGTGGATGT GACGGGCGCG TACGACACCA TCCCCAGGA CAGGCTCAGC 2240
 GAGGTATCG CCAGCATCAT CAACCCAG AACAGCTTCA AGAGCCACGT CTCTACCTG ACAGACCTCC AGCCGTACAT 2310
 CCGCCCATGG GCACGTCCGC AAGGCTTCA CAGCCCGCTG AGGGATGCCG TCCTCATCGA GCAGACTTCC 2380
 GCGACAGTTC GTGGCTCACC TGCAGGAGAC GAGCTCTTCC TACGTTTAT GTGCCACCAC GCCGTGCGCA 2450
 TCCCTGAATG AGGCCAGCAG TGGCCTCTTC GAGCTCTTCC TACGTTTAT GTGCCACCAC GCCGTGCGCA 2520
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 GTGTCCCTGA GTATGGCTGC GTGGTGAAC TGGGAAGAC AGTGGTGAAC TTCCCTGTAG AAGACGAGG 2800
 CCTGGGTGGC ACGGCTTTTG TTCAGATGCC GGCCACGGC CTATTCCCCT GGTGCGGCT GCTGCTGGAT 2870
 ACCCGGACCC TGGAGGTGCA GAGCGACTAC TCCAGCTATG CCCGACCTC CATCAGAGCC AGTCTCACCT 2940
 TCAACCGCGG CTTCAAGGCT GGGAGGAACA TCGTGCAGAA ACTCTTTGGG GTCTTGCGG TGAAGTGTCA 3010
 CAGCCTGTTT CTGGATTTC AGGTGAACAG CCTCCAGAG GTGTGCACCA ACATCTACAA GATCCTCTG 3080
 CTGCAGGCGT ACAGGTTTC CGCATGTGTG CTGCAGCTCC CATTTCATCA GCAAGTTTGG AAGAACCCCA 3150
 CATTTCCTT GCGCGTCATC TCTGACACGG CCTCCCTCTG CTACTCCATC CTGAAAGCCA AGAACCGAGG 3220
 GATGTCGCTG GGGGCCAAGG GCGCCGCGG CCCTCTGCCC TCCGAGGCGG TGCCACTCCT GGGGTCACTC AGGACAGCCC 3290
 GCATTCTCTG TCAAGCTGAC TCGACACCGT GTCACCTACG TGCCCTGGAG GCCGCGACCA ACCCGGCACT 3360
 AGACGCGAGT GAGTCGGAAG CTCCCGGGG CGACGCTGAC TGCCCTGGAG GCCGCGACCA ACCCGGCACT 3430
 GCCCTCAGAC TTCAAGACCA TCCTGGAGG ATGGCCACCC GCCCAGAGC AGGCCGAGAG CAGACACCAG 3500
 CAGCCCTGTC ACGCCGGGCT CTACGTCCCA GGGAGGGAGG GGCGGCCAC ACCCAGGCCC GCACCGCTG 3570
 GAGTCTGAGG CCGAGTGAG TGTGTGGCG AGGCTGCAT GTCCGGCTGA AGGCTGAGTG TCCGGCTGAG 3640
 GCCTGAGCGA GTGTCCAGCC AAGGCTGAG TGTCCAGC ACCTGCCGTC TTCCTTCCC CACAGGCTG 3710
 CGCTCGGCTC CACCCAGGG CCAGCTTTTC CTCACCAGGA GCCCGGCTT CACTCCCCC ATAGGAATAG 3780
 TCCATCCCCA GATTTCGCTT TGTTCACCCC TCGCCCTGCC CTCCTTTGCC TTCCACCCAC ACATCCAGG 3850
 TGGAGACCCT GAGAAGGACC CTGGGAGCTC TGGGAATTTG GAGTGACCAA AGGTGTGCCC TGTACACAGG 3920
 CGAGGACCCT GCACCTGGAT GGGGCTCCCT GTGGGTCAA TTTGGGGGAG GTGCTGTGG AGTAAATAC 3990
 TGAATATATG AGTTTTTCAG TTTTGAAAA AAAAAAAAAA AAAAAAAAAA AA 4042

CGATGCCGCG

1. General Information		2. Demographics		3. Clinical History		4. Physical Examination		5. Laboratory Results		6. Imaging Studies		7. Treatment Plan		8. Follow-up	
1.1	1.1.1	1.1.2	1.1.3	1.1.4	1.1.5	1.1.6	1.1.7	1.1.8	1.1.9	1.1.10	1.1.11	1.1.12	1.1.13	1.1.14	1.1.15
1.2	1.2.1	1.2.2	1.2.3	1.2.4	1.2.5	1.2.6	1.2.7	1.2.8	1.2.9	1.2.10	1.2.11	1.2.12	1.2.13	1.2.14	1.2.15
1.3	1.3.1	1.3.2	1.3.3	1.3.4	1.3.5	1.3.6	1.3.7	1.3.8	1.3.9	1.3.10	1.3.11	1.3.12	1.3.13	1.3.14	1.3.15
1.4	1.4.1	1.4.2	1.4.3	1.4.4	1.4.5	1.4.6	1.4.7	1.4.8	1.4.9	1.4.10	1.4.11	1.4.12	1.4.13	1.4.14	1.4.15
1.5	1.5.1	1.5.2	1.5.3	1.5.4	1.5.5	1.5.6	1.5.7	1.5.8	1.5.9	1.5.10	1.5.11	1.5.12	1.5.13	1.5.14	1.5.15
1.6	1.6.1	1.6.2	1.6.3	1.6.4	1.6.5	1.6.6	1.6.7	1.6.8	1.6.9	1.6.10	1.6.11	1.6.12	1.6.13	1.6.14	1.6.15
1.7	1.7.1	1.7.2	1.7.3	1.7.4	1.7.5	1.7.6	1.7.7	1.7.8	1.7.9	1.7.10	1.7.11	1.7.12	1.7.13	1.7.14	1.7.15
1.8	1.8.1	1.8.2	1.8.3	1.8.4	1.8.5	1.8.6	1.8.7	1.8.8	1.8.9	1.8.10	1.8.11	1.8.12	1.8.13	1.8.14	1.8.15
1.9	1.9.1	1.9.2	1.9.3	1.9.4	1.9.5	1.9.6	1.9.7	1.9.8	1.9.9	1.9.10	1.9.11	1.9.12	1.9.13	1.9.14	1.9.15
1.10	1.10.1	1.10.2	1.10.3	1.10.4	1.10.5	1.10.6	1.10.7	1.10.8	1.10.9	1.10.10	1.10.11	1.10.12	1.10.13	1.10.14	1.10.15
1.11	1.11.1	1.11.2	1.11.3	1.11.4	1.11.5	1.11.6	1.11.7	1.11.8	1.11.9	1.11.10	1.11.11	1.11.12	1.11.13	1.11.14	1.11.15
1.12	1.12.1	1.12.2	1.12.3	1.12.4	1.12.5	1.12.6	1.12.7	1.12.8	1.12.9	1.12.10	1.12.11	1.12.12	1.12.13	1.12.14	1.12.15
1.13	1.13.1	1.13.2	1.13.3	1.13.4	1.13.5	1.13.6	1.13.7	1.13.8	1.13.9	1.13.10	1.13.11	1.13.12	1.13.13	1.13.14	1.13.15
1.14	1.14.1	1.14.2	1.14.3	1.14.4	1.14.5	1.14.6	1.14.7	1.14.8	1.14.9	1.14.10	1.14.11	1.14.12	1.14.13	1.14.14	1.14.15
1.15	1.15.1	1.15.2	1.15.3	1.15.4	1.15.5	1.15.6	1.15.7	1.15.8	1.15.9	1.15.10	1.15.11	1.15.12	1.15.13	1.15.14	1.15.15
1.16	1.16.1	1.16.2	1.16.3	1.16.4	1.16.5	1.16.6	1.16.7	1.16.8	1.16.9	1.16.10	1.16.11	1.16.12	1.16.13	1.16.14	1.16.15
1.17	1.17.1	1.17.2	1.17.3	1.17.4	1.17.5	1.17.6	1.17.7	1.17.8	1.17.9	1.17.10	1.17.11	1.17.12	1.17.13	1.17.14	1.17.15
1.18	1.18.1	1.18.2	1.18.3	1.18.4	1.18.5	1.18.6	1.18.7	1.18.8	1.18.9	1.18.10	1.18.11	1.18.12	1.18.13	1.18.14	1.18.15
1.19	1.19.1	1.19.2	1.19.3	1.19.4	1.19.5	1.19.6	1.19.7	1.19.8	1.19.9	1.19.10	1.19.11	1.19.12	1.19.13	1.19.14	1.19.15
1.20	1.20.1	1.20.2	1.20.3	1.20.4	1.20.5	1.20.6	1.20.7	1.20.8	1.20.9	1.20.10	1.20.11	1.20.12	1.20.13	1.20.14	1.20.15
1.21	1.21.1	1.21.2	1.21.3	1.											

MPRAPRCRAV	RSLLRSHYRE	VLPLATFVRR	LGPQGWRLVQ	RGDPAAFRAL	50
VAQCLVCVPW	DARPPPAAPS	FRQVSCLKEL	VARVLQRLCE	RGAKNVLAFG	100
FALLDGARGG	PPEAFTTSVR	SYLPNTVTDA	LRGSGAWGLL	LRRVGDDVLV	150
HLLARCALFV	LVAPSCAYQV	CGPPLYQLGA	ATQARPPPHA	SGPRRRLGCE	200
RAWNHSVREA	GVPLGLPAPG	ARRRGGASASR	SLPLPKRPRR	GAAPEPERTP	250
VGQGSWAHPG	RTRGPSDRGF	CVVSPARPAE	EATSLEGALS	GTRHSHPSVG	300
RQHHAGPPST	SRPPRPWDTP	CPPVYAETKH	FLYSSGDKEQ	LRPSFLLSSL	350
RPSLTGARRL	VETIFLGSRP	WMPGTFRRLP	RLPQRYWQMR	PLFLELLGNH	400
AQCPYGVLLK	THCPLRAAVT	PAAGVCAREK	PQGSVAAPEE	EDTDPRRLVQ	450
LLRQHSSPWQ	VYGFVRACLR	RLVPPGLWGS	RHNERRFLRN	TKKFISLGKH	500
AKLSLQELTW	KMSVRDCAWL	RRSPGVGCVP	AAEHLRLREEI	LAKFLHWLMS	550
VYVVELLRSF	FYVTETTFQK	NRLFFYRKSV	WSKLQSIGIR	QHLKRVQLRE	600
LSEAEVRQHR	EARPALLTSR	LRFIPKPDGL	RPIVNM DYV	GARTFRREKR	650
AERLTSRVKA	LFSVLNYERA	RRPGLLGASV	LGLDDIHRW	RTFVLRVRAQ	700
DPPPELYFVK	VDVTGAYDTI	PQDRLTEVIA	SIKPKQNTYC	VRRYAVVQKA	750
AHGHVRKAFK	SHVSTLTDLQ	PYMRQFVAHL	QETSPRLDAV	VIEQSSSLNE	800
ASSGLFDVFL	RFMCHHAVRI	RGKSYVQCQG	IPQGSILSTL	LCSLCYGDME	850
NKLFAGIRRD	GLLLRLVDDF	LLVTPHLTHA	KTFLRTLVRG	VPEYGCVVNL	900
RKTVVNFPVE	DEALGGTAFV	QMPAHGLFPW	CGLLLDTRTL	EVQSDYSSYA	950
RTSIRASLTF	NRGFKAGRNM	RRKLFGLVRL	KCHSLFLDLQ	VNSLQTVCTN	1000
IYKILLQAY	RFHACVLQLP	FHQQVWKNPT	FFLRVISDTA	SLCYSILKAK	1050
NAGMSLGAKG	AAGPLPSEAV	QWLCHQAFLL	KLTRHRVTYV	PLLGLSLRTAQ	1100
TQLSRKLPGT	TLTALEAAAN	PALPSDFKTI	LD		1132

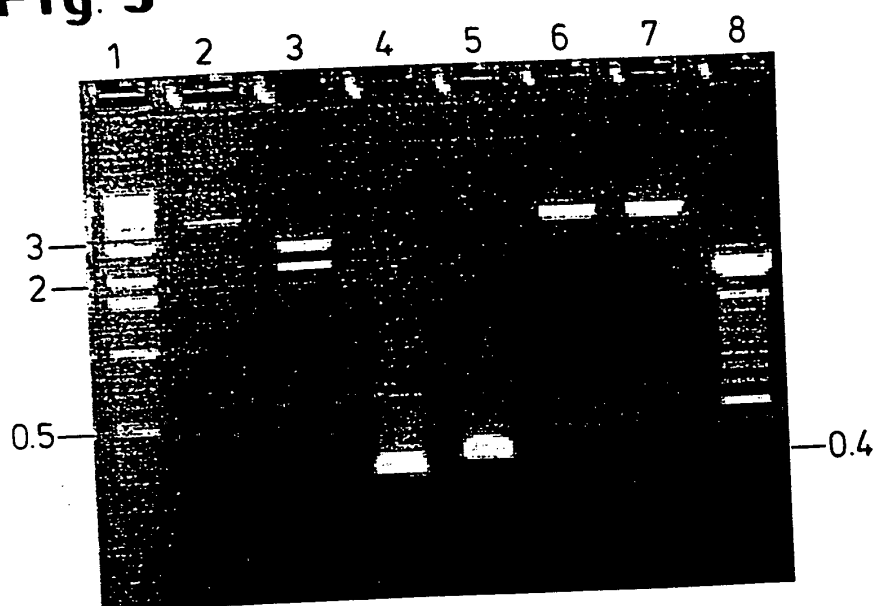
Fig. 3

Fig. 5

Lipman-Pearson Protein Alignment

Ktuple: 2; Gap Penalty: 4; Gap Length Penalty: 12

Seq1(1>150) Seq2(1>150) Gap

P123.PRO EST2P.PRO Index Number Similarity Gap Length Consensus Length

		21.6	4	5	149	
(2>148)	(1>146)					
	10	20	30	40	50	60 70 80
P123.PRO	LLRWIFEDLVVSLIRCFYVTEOQKSYSKTYYYRKNIVDWIMKMSIADLKKETLAEVQEEVEWKKSLGFAPGKLRLLP					F...K:R:IP
	W:F:L: :I: FFY TE : : Y: R:W: : : I: K. L.E : : :					
EST2P.PRO	FISWLFRLIPKIIOTFFCYCTEISSTVTIVYF-RHDTWKNKLITPFIVEYFKTYLVENNVCRNHNHNSYTLNHNHSMRIIP					60 70
	10 20 30 40 50 60 70 150					
P123.PRO	KKT--TFRPIMTFNKKIVNSDRKTTKLITNTKLLNSHLMKTLKNRMFKDPFGFAVFNYYDDVMKKYEEFVC					
	FR I : : : : K : : : : : L. L:N: : : : : F. : : : : : EF					
EST2P.PRO	KKSNNEFRIIAIPCRGADEEEFTIYKENHKNAIOPTOKILEYLRNKR-PTSFT-KIYSPTQIADRIKEFKQ					140
	80 90 100 110 120 130 140					

Fig. 6

Lipman-Pearson Protein Alignment

Ktuple: 2; Gap Penalty: 4; Gap Length Penalty: 12

Seq1(1>129)

Seq2(1>150)

Gap Consensus

Length Length

Index Number

23.3 3 3 83

(3>85)

(1>80)

PHTC.PRO	FLHWMVSVVVELLSFFYVTETTFOKNRLFFYRKSVWSKLSIGIRHVKRVQLRDVSEAEVROHREARPALLTSRLRF	↖10	↖20	↖30	↖40	↖50	↖60	↖70	↖80
EST2P.PRO	FISWLFROLIPKIIQTFFCYCTEIS-STVTIVYFRHDTWNKLITPFIVEYFKTY-LVE-NNVCRNHNSTLSNFNHSMRI	↖10	↖20	↖30	↖40	↖50	↖60	↖70	↖80
PHTC.PRO	IPKPDGLRPIVNMDYVVGARTFRREKRAERLTSRVKALFSVLNYERA	↖90	↖100	↖110	↖120				
EST2P.PRO	IPKSSNNEFRIIAIPCRGADEEEFTIYKENHKNAIOPTOKILEYLRN	↖80	↖90	↖100	↖110	↖120			

Fig. 8

GTGCCTGCAG	AGACCCGTCT	GGTGCACCTCT	GATTCTCCAC	TTGCCTGTTG	CATGTCCTCG	TTCCCTTGTT	70
TCTCACCACC	TCTTGGGTTG	CCATGTGCGT	TTCTTGCCGA	GTGTGTGTTG	ATCCTCTCGT	TGCCTCCTGG	140
TCACTGGGCA	TTTGCTTTTA	TTTCTCTTTG	CTTAGTGTTA	CCCCCTGATC	TTTTTATTGT	CGTTGTTTGC	210
TTTTGTTTAT	TGAGACAGTC	TCACTCTGTC	ACCCAGGCTG	GAGTGTAAATG	GCACAATCTC	GGCTCACTGC	280
AACCTCTGCC	TCCTCGGTTT	AAGCAGTTCT	CATTCTCTCA	CCTCATGAGT	AGCTGGGATT	ACAGGCGCCC	350
ACCACCACGC	CTGGCTAATT	TTTGTATTTT	TAGTAGAGAT	AGGCTTTTCA	CATGTTGGCC	AGGCTGGTCT	420
CAAACCTCTG	ACCTCAAGTG	ATCTGCCCCG	CTTGGCCTCC	CACAGTGCTG	GGATTACAGG	TGCAAGCCAC	490
CGTGCCCCGG	ATACCTTGAT	CTTTTAAAT	GAAGTCTGAA	ACATTGCTAC	CCTTGTCCTG	AGCAATAAGA	560
CCCTTAGTGT	ATTTTAGCTC	TGGCCACCCC	CCAGCCTGTG	TGCTGTTTTT	CCTGCTGACT	TAGTTCTATC	630
TCAGGCATCT	TGACACCCCC	ACAAGCTAAG	CATTATTAAT	ATTGTTTTCC	GTGTGAGTG	TTTCTTTAGC	700
TTTGCCCCCG	CCCTGCTTTT	CCTCCTTTGT	TCCCCGTCTG	TCTTCTGTCT	CAGGCCCGCC	GTCTGGGGTC	770
CCCTTCCTTG	TCCTTTGCGT	GGTTCTTCTG	TCTTGTTATT	GCTGGTAAAC	CCCAGCTTTA	CCTGTGCTGG	840
CCTCCATGGC	ATCTAGCGAC	GTCCGGGGAC	CTCTGCTTAT	GATGCACAGA	TGAAGATGTG	GAGACTCACG	910
AGGAGGGCGG	TCATCTTGGC	CCGTGAGTGT	CTGGAGCACC	ACGTGGCCAG	CGTTCCCTAG	CCAGGGTTGG	980
CTGTGTTCCG	GCCGCAGAGC	ACCGTCTGCG	TGAGGAGATC	CTGGCCAAGT	TCCTGCACTG	GCTGATGAGT	1050
GTGTACGTGC	TCGAGCTGCT	CAGGTCTTTC	TTTTATGTCA	CGGAGACCAC	GTTTCAAAAG	AACAGGCTCT	1120
TTTTCTACCG	GAAGAGTGTC	TGGAGCAAGT	TGC				1153

Fig. 9

Fig. 9

CAGAGCCCTG	GTCCTCCTGT	CTCCATCGTC	ACGTGGGCAC	ACGTGGCTTT	TCGCTCAGGA	CGTCGAGTGG	70
ACACGGTGAT	CTCTGCCTCT	GCTCTCCCTC	CTGTCCAGTT	TGCATAAACT	TACGAGSTTC	ACCTTCACGT	140
TTTGATGGAC	ACGCGGTTTC	CAGGCACCGA	GGCCAGAGCA	GTGAACAGAG	GAGGCTGGGC	GCGGCAGTGG	210
AGCCGGGTTG	CCGGCAATGG	GGAGAAGTGT	CTGGAAGCAC	AGACGCTCTG	GCGAGGGTGC	CTGCAGAGAC	280
CCGCTCGGTG	CACCTCTGATT	CTCCACTTGC	CTGTTGCATG	TCCTCGTTCC	CTTGTTTCTC	ACCACCTCTT	350
GGGTTGCCAT	GTGCGTTTCC	TGCCGAGTGT	GTGTTGATCC	TCTCGTTGCC	TCTGGTCCAC	TG	412

Fig. 10

Fig. 10

GGGGTCTCTGG	GCCACCCCGG	GCAGGACGCG	TGGACCGAGT	GACCGTGGTT	TCTGTGTGGT	GTCCACCTGCC	70
AGACCCGCGG	AAGAAGCCAC	CTCTTTGGAG	GGTGCCTCT	CTGGCAGCG	CCACTCCCAC	CCATCCGTGG	140
GCCGCCAGCA	CCACGCGGGC	CCCCATCCA	CATCGCGGCC	ACCACGTCCC	TGGGACACGC	CTTGTCCCCC	210
GSTGTACGCC	GAGACCAAGC	ACTTCTCTA	CTCCTCAGGC	GACAAGGAGC	AGCTGCGGcC	CTCCTTCCTA	280
CTCAGCTCTC	TGAGGCCCAG	CCTGACTGGC	GCTCGGAGGC	TGTTGGAGAC	CATCTTTCTG	GGTTCACAGC	350
CCTGGATGCC	AGGGAATCCC	CGCAGGTTGC	CCCGCCTGCC	CCAGCGCTAC	TGGCAATGC	GGCCCCCTGTT	420
TCTGGAGCTG	CTTGGGAACC	ACGCGCAGTG	CCCTACGGG	GTGCTCCTCA	AGACGCACTG	CCCGCTGCGA	490
GCTGCGGTCA	CCCCAGCAGC	CGGTGTCTGT	GCCCCGGAGA	AGCCCCAGGG	CTCTGTGGCG	GCCCCCGAGG	560
AGGAGGACAC	AGACCCCCGT	CGCCTGGTGC	AGCTGCTCCG	CCAGCACAGC	AGCCCCCTGCG	AGGTGTACGG	630
CTTCGTGCGG	GCCTGCCTGC	GCCGGCTGGT	GCCCCCAGGC	CTCTGGGGCT	CCAGGCACAA	CGAACGCCGC	700
TTCTCTAGGA	ACACCAAGAA	GTTTCATCTCC	CTGGGGAAGC	ATGCCAAGCT	CTCGTGCAG	GAGCTGACGT	770
GGAAGATGAG	CGTGCGGGAC	TGCGCTTGGC	TGCGCAGGAG	CCCAGGTGAG	GAGGTGGTGG	CCGTGAGGGG	840
CCCAGGCCCC	AGAGCTGAAT	GCAGTAGGGG	CTCAGAAAAG	GGGGCAGGCA	GAGCCCTGGT	CCTCCTGTCT	910
CCATCGTCAC	GTGGGCACAC	GTGGCTTTTC	GCTCAGGACG	TCGAGTGGAC	ACGGTGATCT	CTGCCTCTGC	980
TCCTCCCTCT	GTCCAGTTTG	CATAAACTTA	CG				

1012

Variable	Mean	Standard deviation	Minimum	Maximum
Age	34.5	10.5	20	55
Gender	0.5	0.5	0	1
Marital status	0.5	0.5	0	1
Education	12.5	1.5	10	15
Income	15.5	5.5	10	25
Health	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Occupation	0.5	0.5	0	1
Smoking	0.5	0.5	0	1
Drinking	0.5	0.5	0	1
Exercise	0.5	0.5	0	1
Stress	0.5	0.5	0	1
Depression	0.5	0.5	0	1
Loneliness	0.5	0.5	0	1
Life satisfaction	0.5	0.5	0	1
Quality of life	0.5	0.5	0	1
Health-related quality of life	0.5	0.5	0	1
Physical health	0.5	0.5	0	1
Mental health	0.5	0.5	0	1
Social health	0.5	0.5	0	1
Environmental health	0.5	0.5	0	1
Overall health	0.5	0.5	0	1

GAATTCGCGG	CCGCGTCGAC	GTTTCAGGCA	GCGCTGCGTC	CTGCTGCGCA	CGTGGGAAGC	CCTGGCCCCG	70
GCCACCCCG	CGATGCCGCG	CGTCCCCGC	TGCCGAGCCG	TGCGTCCCT	GCTGCGCAGC	CACTACCGCG	140
AGGTGCTGCC	GCTGGCCACG	TTCGTGCGGC	GCCTGGGGCC	CCAGGGCTGG	CGGCTGGTGC	AGCGCGGGGA	210
CCCGGCGGCT	TTCCGCGCGC	TGGTGGCCCA	GTGCTGGTG	TGCGTGCCCT	GGGACGCACG	GCCGCCCCCC	280
GCCGCCCCCT	CCTTCCGCCA	GGTGTCTGTC	CTGAAGGAGC	TGGTGGCCCG	AGTGCTGCAG	AGGCTGTGCG	350
AGCGCGGCGC	GAAGAACGTG	CTGGCCTTCG	GCTTCGCGCT	GCTGGACGGG	GCCCCGCGGG	GCCCCCCCCGA	420
GGCCTTCACC	ACCAGCGTGC	GCAGCTACCT	GCCCAACACG	GTGACCGACG	CACTGCGGGG	GAGCGGGGCG	490
TGGGGGCTGC	TGCTGCGCCG	CGTGGGCGAG	GACGTGCTGG	TTCACCTGCT	GGCACGCTGC	GCGCTCTTTG	560
TGCTGGTGCG	TCCCAGCTCG	GCCTACCAGG	TGTGCGGGCC	GCGCGTGATC	CAGCTCGGCG	CTGCCACTCA	630
GGCCCGGGCC	CCGCCACACG	CTAGTGGACC	CCGAAGGCGT	CTGGGATGCG	AACGGGCTCG	GAACCATAGC	700
GTCAGGGAGG	CCGGGGTCCC	CCTGGGCCTG	CCAGCCCCGG	GTGCGAGGAG	GCGCGGGGGC	AGTGCCAGCC	770
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GCCGCCAGCA	CCACGCGGGC	CCCCATCCA	CATCGCGGCC	ACCACGTCCC	TGGGACACGC	CTTGTCCTCC	1050
GGTGTACGCC	GAGACCAAGC	ACTTCCTCTA	CTCCTCAGGC	GACAAGGAGC	AGCTGCGGCC	CTCCTTCTTA	1120
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GCTGCGGTCA	CCCCAGCAGC	CGGTGTCTGT	GCCCGGGAGA	AGCCCCAGGG	CTCTGTGGCG	GCCCCGAGG	1400
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GGCGCATTCC	ACAGGCTGGT	ACTCCAGGCT	GCGGTCCATC	TTCACATGGA	CTTCATGGAT	CCTTTTCAAG	3150
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AGAAAAGGAC	TCCAAGGAC	TGGACCTTTC	GCCGAAGCCC	CTGGAGCAGA	CACCAGGGGT	CAAACCAACC	3290
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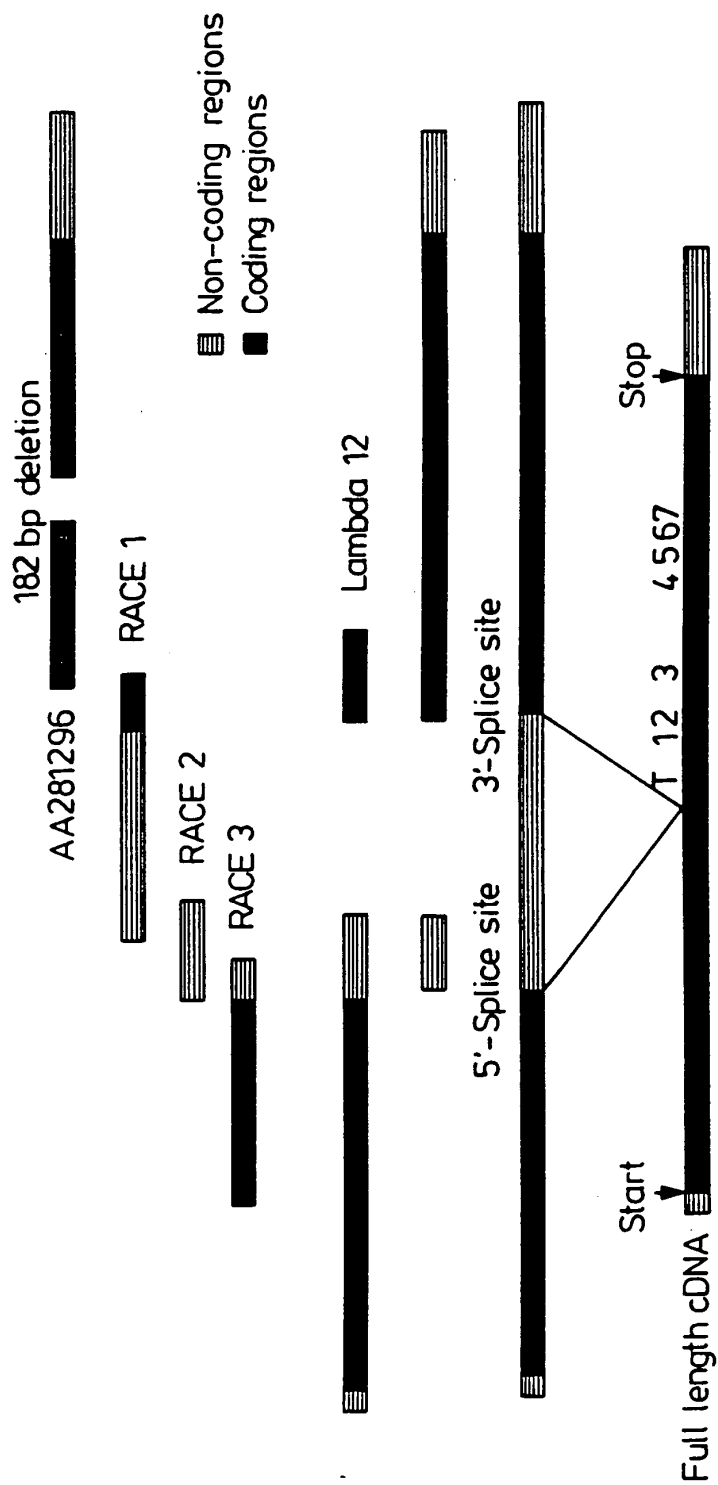
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Fig.13

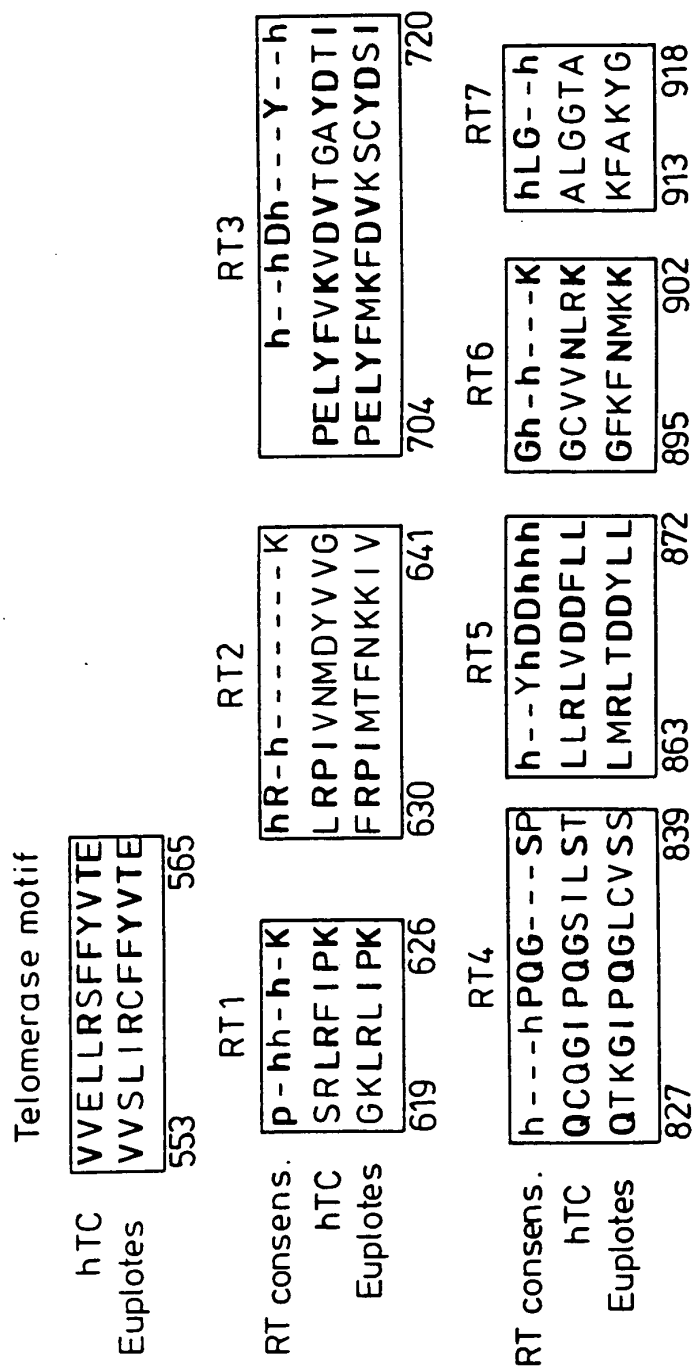


Fig. 14

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CAGAGAAAAG	AGGGCCGAGC	GTCTCACCTC	GAGGGTGAAG	GCACTGTTCA	GCGTGCTCAA	CTACGAGCGG	2063
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TCGTGCTGCG	TGTGCGGGCC	CAGGACCCGC	CGCCTGAGCT	GTACTTTGTC	AAGGTGGATG	TGACGGGCGC	2203
GTACGACACC	ATCCCCCAGG	ACAGGCTCAC	GGAGGTCATC	GCCAGCATCA	TCAAACCCCA	GAACACGTAC	2273
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GCGAAAACCT	TCCTCAGGAC	CCTGGTCCGA	GGTGTCCCTG	AGTATGGCTG	CGTGGTGAAC	TTGCGGAAGA	2763
CAGTGGTGAA	CTTCCTGTGA	GAAGACGAGG	CCCTGGGTGG	CACGGCTTTT	GTTTCAGATGC	CGGCCACCGG	2833
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GCTACTCCAT	CCTGAAAGCC	AAGAACGCAG	GTATGTGCAG	GTGCCTGGCC	TCAGTGGCAG	CAGTGCCTGC	3253
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GCCTGGTCTC	TCCTGTTTGC	CCCATGGTGG	GATTTGGGGG	GCCTGGCCTC	TCCTGTTTGC	CCTGTGGTGG	3533
GATTGGGCTG	TCTCCCGTCC	ATGGCACTTA	GGGCCCTTGT	GCAAACCCAG	GCCAAGGGCT	TAGGAGGAGG	3603
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CTGAAATTCA	AGCCATGTGC	AACCTGCCGT	CCTGAGCTTA	ACAGCTTCTA	CTTTCTGTTC	TTTCTGTGTT	3813
GTGGAGACCC	TGAGAAGGAC	CCTGGGAGCT	CTGGGAATTT	GGAGTGACCA	AAGGTGTGC		3872

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Parameter	1990-1991		1991-1992		1992-1993		1993-1994		1994-1995		1995-1996		1996-1997		1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2	
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Fig. 15

Fig. A

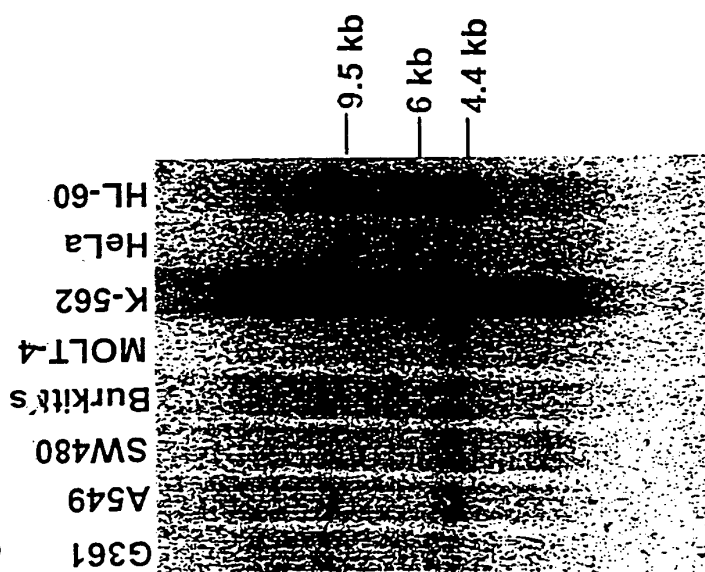


Fig. B

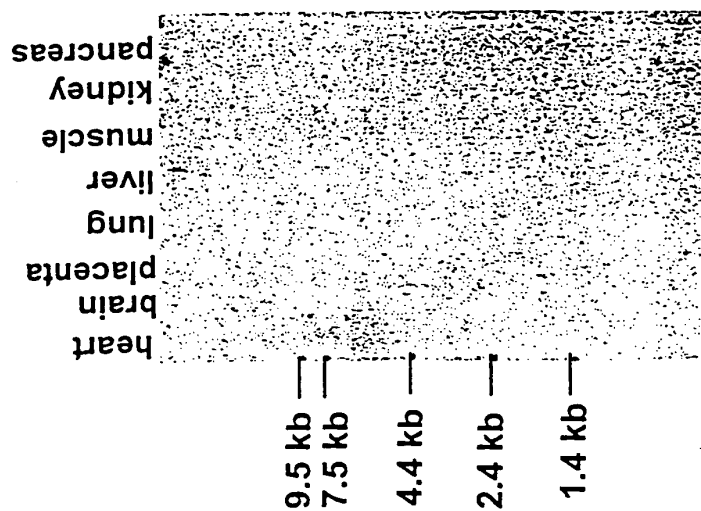


Fig. 16

Fig. A

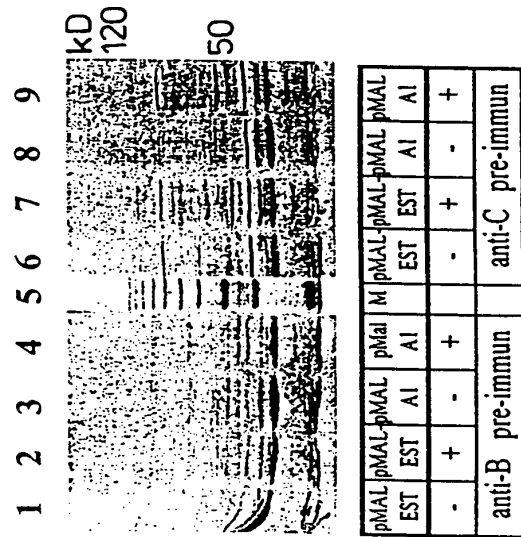


Fig. B

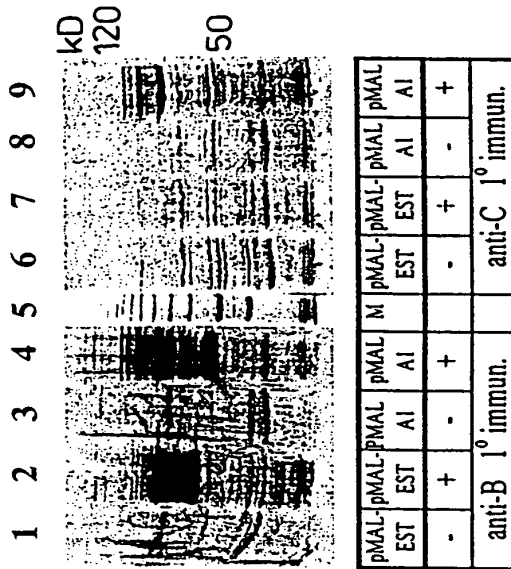
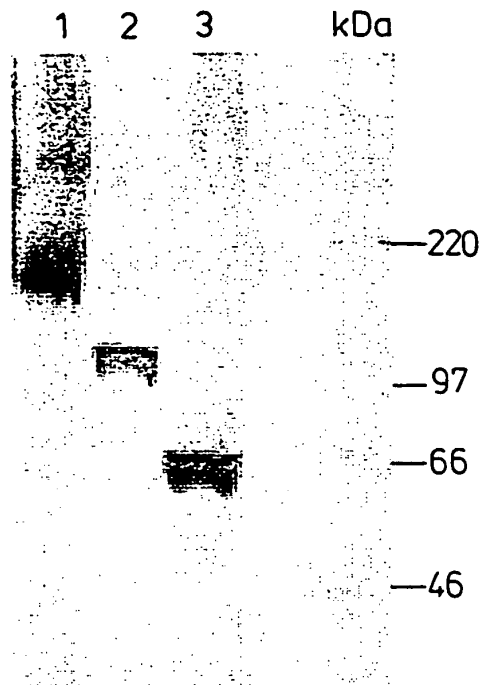
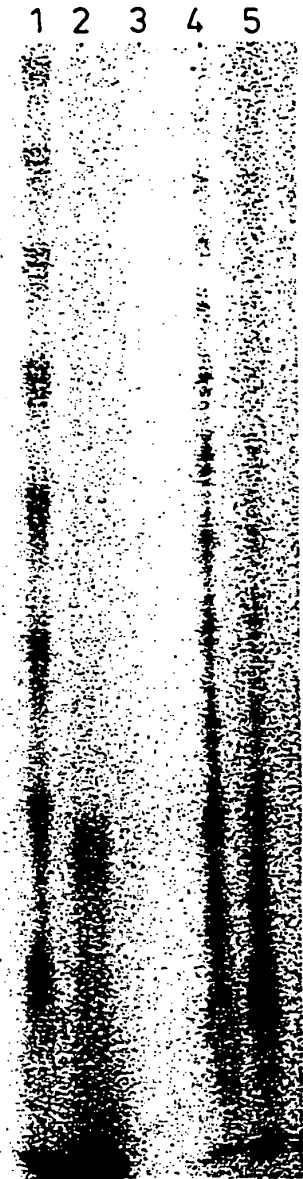


Fig. 17**Fig. 19****Fig. 18**